

# Author index to Volume 13

- Abe, H. 819  
 Abrahamian, A. 213, 467  
 Adachi-Usami, E. 629  
 Akhtar, R. A. 231  
 Akiba, J. 505  
 Alam, A. 791  
 Albeck, M. 603  
 Alder, V. A. 907  
 Alizadeh, H. 361  
 Alvarado, J. A. 271  
 Anand, R. 361  
 Anderson, H. R. 79, 705  
 Anderson, R. E. 145  
 Apel, A. J. G. 337  
 Appa, S. N. 87  
 Araie, M. 251  
 Araki, K. 203  
 Archer, D. B. 79, 705  
 Arrunategui-Correa, V. 325  
 Augusteyn, R. C. 225  
 Austin, M. W. 717
- Baer, C. A. 391  
 Bahri, S. 639  
 Balestrieri, C. 119  
 Bardenstein, D. S. 851  
 Barry, C. 29  
 Bazan, H. E. P. 45  
 Bazan, N. G. 21, 45, 139  
 Berg, D. E. 783  
 Berra, A. 711  
 Bindley, C. D. 755  
 Bitar, M. S. 539  
 Blake, D. A. 303  
 Bonne, C. 531  
 Boyle, D. 35, 497  
 Braiman, M. S. 391  
 Brandt, C. R. 755  
 Briercheck, D. M. 391  
 Brigatti, L. 119  
 Brown, D. 639  
 Brown, T. 239  
 Brunette, J. R. 97  
 Bujtar, E. 119  
 Bukanov, N. 783
- Cai, F. 611  
 Callegan, M. C. 875  
 Cao, W. 97  
 Casanova, C. 97  
 Chader, G. J. 289, 469, 539  
 Chai, L. 669  
 Chakrabarti, B. 505  
 Chamberlain, C. G. 885  
 Chamorro, M. 415  
 Chan, C.-C. 603, 857  
 Chandler, J. W. 103  
 Char, D. H. 151  
 Cheeks, L. 401  
 Chen, W. Y. W. 765  
 Cheng, Y.-L. 337  
 Chiba, T. 629  
 Chignell, A. H. 791  
 Chihara, E. 489
- Choi, M. W. 231  
 Chou, J. 177  
 Chu, J. L. 839  
 Clark, A. F. 51  
 Clinch, T. E. 875  
 Cohen, S. Y. 183  
 Cohen, R. A. 139  
 Colvin, R. B. 325  
 Comerford, S. A. 361  
 Constable, I. J. 29  
 Coquelet, C. 531  
 Coscas, G. J. 183  
 Courtois, Y. 183  
 Cousins, S. W. 587  
 Cray, C. 587  
 Cringle, S. J. 907  
 Crone, S. 125  
 Crook, R. B. 271  
 Cullen, A. P. 371, 731
- Dastgheib, K. 603  
 Datiles, M. B. 825  
 de Smet, M. D. 289, 469  
 de Juan, E. 539  
 del Cerro, C. 157  
 del Cerro, M. 157  
 Del Monte, M. A. 523  
 Delayre, T. 183  
 DeMartelaere, S. 857  
 Dennis, M. 441  
 DeSantis, L. 51  
 Dickson, D. H. 611  
 Dietz, Y. 851  
 DiLoreto, D., Jr 157  
 DiMeo, S. 325  
 Dix, R. D. 587  
 Dockhorn, R. J. 319  
 Donoso, L. A. 87  
 Doughty, M. J. 371  
 Drumheller, A. 97  
 Dua, H. S. 87  
 Duckett, T. G. 319  
 Duffner, L. A. 779  
 Duker, J. S. 513  
 Dumonde, D. C. 791  
 Duncan, G. 219  
 Dushku, N. 473  
 Dutt, K. 109
- Eagle, R. C., Jr 87  
 Earley, O. 791  
 Ehlers, N. 163  
 Elkins, B. 177  
 Engel, L. S. 875  
 Engerman, R. L. 863, 891  
 Esco, M. 805  
 Espallat, A. 325  
 Essner, E. 747  
 Ezeonu, I. 109
- Fauss, D. J. 271  
 Feld, J. R. 513  
 Fliesler, S. J. 377  
 Foote, T. 619
- Foster, C. S. 325, 711  
 Fragoso, G. 553  
 Freidlin, V. 825  
 Fukuchi, T. 433, 819
- Gabrielian, K. 1  
 Ganapathy, V. 523  
 Gandolfi, S. A. 219  
 Gardiner, T. A. 79, 705  
 Garner, M. H. 65  
 Gebhardt, B. M. 139  
 Gehlbach, P. L. 597  
 Gery, I. 845  
 Gething, M. J. 361  
 Ghalayini, A. J. 145  
 Glaser, B. M. 743  
 Gomes, J. A. P. 87  
 Gonzalez-Fernandez, F. 391  
 Gopalakrishna, R. 451  
 Gopalakrishnan, S. 879  
 Gordon, L. W. 743  
 Gordon, W. C. 21  
 Grammer, J. 177  
 Grant, M. B. 303  
 Green, K. 401  
 Green, W. 791  
 Gregerson, D. S. 575  
 Grover, D. A. 157
- Hales, A. M. 885  
 Hall, G. S. 465  
 Hamdi, H. 639  
 Hanley, M. R. 345  
 Hanninen, L. A. 11  
 Hannun, Y. A. 145  
 Haque, M. S. R. 461  
 Harada, T. 547  
 Hardten, D. R. 857  
 Hartmann, M.-P. 183  
 Hayashi, K. 203  
 He, S. 257  
 Hecht, M. L. 857  
 Heidersbach, S. 539  
 Heiligenhaus, A. 711  
 Hendricks, R. L. 869  
 Hikida, M. 385  
 Hikita, N. 603  
 Hill, J. M. 875  
 Hinton, D. R. 257, 451  
 Hjelmeland, L. M. 345  
 Ho Yuen, V. 815  
 Holland, E. J. 857  
 Holleschau, A. M. 331  
 Holmes, J. M. 779  
 Honda, O. 799  
 Honda, Y. 171, 353, 625, 799  
 Horwitz, J. 65  
 Hoste, A. M. 483  
 Howell, D. N. 725  
 Huang, L. 423  
 Hull, B. E. 655  
 Hull, D. S. 401  
 Hurst, J. S. 45
- Ie, D. 743  
 Ikada, Y. 171, 353  
 Imaki, J. 547  
 Inomata, H. 799  
 Iwata, K. 819
- James, T. L. 151  
 Järvinen, K. 897  
 Järvinen, T. 897  
 Jeanny, J.-C. 183  
 Jindal, V. K. 87  
 Jolicœur, F. B. 97  
 Jones, B. E. 539
- Kador, P. 539  
 Kaiya T. 819  
 Kaneko, T. 629  
 Kao, W. W.-Y. 765  
 Kappil, J. C. 779  
 Kappler, F. 239  
 Karlstad, R. 857  
 Kaufman, H. E. 875  
 Kawashima, H. 575  
 Kenney, M. C. 639  
 Kenyon, K. R. 11  
 Kern, T. S. 863, 891  
 Kimura, H. 353  
 Kinoshita, S. 203  
 Kishi, H. 661, 833  
 Kitaoka, T. 345  
 Kitazawa, Y. 461  
 Kittredge, K. L. 391  
 Kivela, T. 697  
 Klinger, A. L. 391  
 Kohen, L. 451  
 Kohmoto, H. 197  
 Kondo, M. 251  
 Kotake, S. 845  
 Koutz, C. A. 145  
 Kowluru, R. 891  
 Krishna, G. 739  
 Kurhanewicz, J. 151  
 Kuriyama, S. 171  
 Kurpakus, M. A. 805  
 Kutty, R. K. 739  
 Kuwayama, Y. 203
- Lafond, G. 97  
 Laibson, P. R. 87  
 Lal, S. 239  
 Lantz, W. 441  
 Lasa, M. S. M. 825  
 Lass, J. H. 851  
 Ledet, T. 163  
 Lee, M. 1  
 Lee, S. J. 325  
 Leibach, F. H. 523  
 Limb, G. A. 791  
 Lin, C. P. 513  
 Lin, S. C. 513  
 Lin, W.-L. 747  
 Lind, G. 243  
 Liu, C.-Y. 765  
 López-Colomé, A. M. 553

- Lui, G. M. 271  
 Luty, G. A. 125  
 Lutz, S. 177  
 Lyons, G. E. 755  
  
 Ma, D. 361  
 Madden, R. K. 263  
 Magno, B. V. 825  
 Maniaci, M. T. 805  
 Matsuda, H. 547, 845  
 Matsumoto, S. 197  
 McAllister, I. 29  
 McAvoy, J. W. 885  
 McIntyre, I. 79  
 McLean, N. V. 303  
 McLeod, D. S. 125  
 Medof, M. E. 851  
 Meisler, D. M. 465  
 Mellerio, J. 649  
 Merges, C. 125  
 Micales, B. 755  
 Miglior, S. 119  
 Miller, D. 465, 783  
 Mindrup, E. A. 857  
 Mishima, H. K. 661, 833  
 Mittag, T. W. 243, 311  
 Møller-Pedersen, T. 163  
 Mondino, B. J. 177  
 Monteith-McMaster, C. A. 731  
 Moritera, T. 171, 353  
 Morris, J. E. 669  
 Moshayedi, P. 539  
 Mui, M. M. 765  
 Munjal, I. D. 303  
 Murali, S. 857  
  
 Nakamura, M. 385  
 Netland, P. A. 839  
 Niederkorn, J. Y. 361  
 Nishida, T. 385  
 Nussenblatt, R. B. 603  
  
 O'Brien, C. J. 717  
 O'Callaghan, R. J. 875  
 Oganesian, A. 451  
 Ogden, T. E. 1, 257  
 Ogura, Y. 171, 353  
 Oh, C. 337  
 Ohashi, Y. 203  
 Ohira, A. 489, 799  
 Ohki, K. 547  
 Ohnishi, Y. 799  
 Okada, K. 461  
 Olesen, P. R. 561  
 Olevsky, O. M. 857  
 Organisciak, D. T. 655  
 Ortwerth, B. J. 561  
 Orzalesi, N. 119  
 Osusky, R. 569  
 Otori, T. 385  
  
 Palmade, F. 531  
 Pang, I.-H. 51  
 Pardhasaradhi, K. 739  
 Park, C. S. 739  
 Paugh, J. R. 263  
 Pautler, E. L. 687  
 Pena, R. A. 743  
 Pleyer, U. 177  
  
 Podos, S. M. 243  
 Polansky, J. R. 271  
 Prasad, V. V. T. S. 377  
 Pratt-Rippin, K. 465  
 Puliafito, C. A. 513  
 Pumfery, A. M. 755  
 Purple, R. L. 597  
  
 Quivey, J. M. 151  
  
 Rae, J. L. 679  
 Ramamoorthy, S. 523  
 Rao, N. S. 619  
 Rathbun, W. B. 331  
 Ravi, V. N. 783  
 Reid, T. W. 473  
 Reinach, P. S. 625  
 Rengarajan, K. 289, 469  
 Rockey, J. H. 213, 467  
 Rodriguez de Turco, E. B. 21  
 Rootman, D. S. 337, 815  
 Ross, J. R. 725  
 Rossetti, L. 119  
 Roussel, T. J. 465  
 Rückert, D. 177  
 Ryan, S. J. 1, 257, 451, 569  
  
 Sadun, A. A. 619  
 Sakamoto, H. 451  
 Sakamoto, T. 451  
 Salceda, R. 297  
 Sambrook, J. F. 361  
 Sanderson, J. 219  
 Sanfilippo, F. P. 725  
 Sasamoto, Y. 845  
 Saville, B. A. 337  
 Sawaguchi, S. 819  
 Schmidt, K.-H. 177  
 Schoen, T. J. 539  
 Schulz, M. W. 885  
 Schwarting, R. 87  
 Sechoy-Chambon, O. 531  
 Serizawa, T. 197  
 Severin, C. 243, 311  
 Shade, D. L. 51  
 Shams, N. B. K. 11  
 Shang, F. 423  
 Sharif, M. 345  
 Sharma, K. K. 561  
 Shichi, H. 747  
 Shields, S. R. 839  
 Siegfried, C. J. 869  
 Sivak, J. G. 371, 731  
 Smith, D. L. 415  
 Smith, J. B. 415  
 Soji, T. 489  
 Soriano, D. 569  
 Soubrane, G. 183  
 Sramek, S. J. 755  
 Sredni, B. 603  
 Sredni, D. 603  
 Srinivas, S. P. 281  
 Srivastava, K. 783  
 Stauffer, P. 151  
 Steely, H. T. 51  
 Stella, V. J. 897  
 Stitt, A. W. 79, 705  
 Stuart, D. D. 371  
 Sturman, J. A. 553  
  
 Su, E.-N. 907  
 Sugiyama, K. 461  
 Svensson, B. 649  
 Sys, S. U. 483  
 Szwergold, B. S. 239  
  
 Tabata, Y. 171, 353  
 Takagi, H. 625  
 Takatsuna, Y. 629  
 Takemoto, L. 35, 497, 879  
 Taniguchi, T. 461  
 Tano, Y. 203  
 Tassin, J. 183  
 Taylor, A. 423  
 Tenhula, W. N. 619  
 Thompson, D. O. 897  
 Tormay, A. 243, 311  
 Tseng, S. C. G. 765  
 Twining, S. S. 433  
  
 Ubels, J. L. 441  
 Ueno, N. 505  
 Uusitalo, M. 697  
 van Kuijk, F. J. G. M. 539  
  
 Velati, P. 119  
 Vijayasekaran, S. 29  
 Vilchis, M. C. 297  
 Vitale, A. 325  
  
 Waldbillig, R. J. 539  
 Wallow, I. H. L. 755  
 Wang, C. 263  
 Wang, H.-M. 1, 257, 655  
 Wang, J. 747  
 Washington, J. A. 465  
 Wetsel, W. C. 145  
 Wiggert, B. 289, 469, 845  
 Williams, E. F. 109  
 Wilson, G. 409  
 Wilson, P. M. 433  
 Wishart, P. K. 717  
 Wright, C. E. 553  
 Wu, T.-W. 815  
 Wurdeman, A. E. 619  
  
 Xi, M.-S. 213, 467  
  
 Yamamoto, M. 799  
 Yamashita, U. 661, 833  
 Yang, Z. 415  
 Ye, J. 257, 569  
 Yelian, F. D. 747  
 Yoshida, K. 547  
 Yoshikawa, K. 845  
 Yoshimura, N. 171, 243, 625  
 Yu, D.-Y. 29, 907  
 Yue, B. Y. J. T. 433, 819  
  
 Zaharia, M. 97  
 Zeng, L.-H. 815  
 Zhang, W. Z. 225  
 Zhao, Y. D. 103  
 Zhou, X. 433

# Subject index to Volume 13

## **$\beta$ -Adrenergic blockers**

retinal arteries, retinal blood flow, glaucoma, calcium channel blockers, cattle (bovine) 483

## **Adenylyl cyclase**

ciliary process, intraocular pressure, G-proteins, cholera toxin, pertussis toxin 243

## **Aging**

alpha-A crystallin, lens, C-terminal modification, cattle (bovine) 879  
glutathione peroxidase, glutathione reductase, lens, glutathione, primate, prosimian, simian 331  
lens crystallins, cataract, protein aggregation, mass spectrometry, human 415

## **Allergic conjunctivitis**

controlled clinical trial, Naphcon-A, naphazoline, pheniramine, conjunctival allergen challenge (CAC) 319

## **Allograft rejection**

cyclosporine, corneal transplantation, drug delivery, rabbit 337

## **Alpha crystallins**

alpha-A crystallin, aging, lens, C-terminal modification, bovine 879  
binding, cataract, MP26, ageing, human 225  
C-terminus, N-terminus, immunolocalization, lens, cattle (bovine) 497  
enzyme inhibition, elastase, enzyme kinetics, lens 561

## **Animal model**

ischemia/reperfusion, intraocular pressure, vascular ligation, electroretinogram, cat 597

## **$\alpha_1$ -Antichymotrypsin**

cornea, synthesis, proteinase inhibitor, corneal epithelium, corneal stroma, corneal endothelium, human 433

## **Aqueous humour production**

endothelin-1, intraocular pressure, outflow facility, uveoscleral outflow, rabbit 461

## **Arachidonate**

retinal pigment epithelium (RPE), ethanol, calcium, retinoids, cattle (bovine) 687

## **Arbitrarily primed polymerase chain reaction (PCR)**

*Pseudomonas aeruginosa*, corneal ulcers, random amplified polymorphic DNA (RAPD) fingerprinting, keratitis, human 783

## **AS101**

immunomodulator, ocular inflammation, interleukin-6, intravitreal injection, rat 603

## **Autonomic nervous system**

long posterior ciliary artery, adrenergic neurotransmitter, muscarinic neurotransmitter, nitric oxide, pig 907

## **Basic fibroblast growth factor (bFGF)**

choroidal angiogenesis, immunohistochemistry, experimental model, minipig 183

## **Binding**

$\alpha$ -crystallin, cataract, MP26, aging, human 225

## **Binding sites**

Harder's gland, endothelin (ET), accessory lacrimal gland, *in vitro* autoradiography 103

## **Biodegradable microspheres**

drug targeting, RPE cells, phagocytosis, gelatin 171  
retinal pigment epithelium (RPE), phagocytosis, sustained drug release, rhodamine 6GX, cattle (bovine) 353

## **Bovine lens epithelial cell**

crystallins, oxidation, glycation, proteolysis, ubiquitin 423

## **<sup>125</sup>I Brachytherapy**

<sup>31</sup>P magnetic resonance spectroscopy, Greene melanoma, hyperthermia, rabbit 151

## **Bruch's membrane**

chorioretinal anastomosis, retinal vein occlusion, argon green laser, rat 29

## **C-terminus**

alpha crystallins, N-terminus, immunolocalization, lens, cattle (bovine) 497

## **Calcium channel antagonists**

corneal endothelium, corneal endothelial permeability, corneal swelling, rabbit 401

## **Calmodulin**

lens, calcium permeability, membrane 219  
taurine transporter, retinal pigment epithelium (RPE), mRNA levels, nucleotide sequence, regulation, human 523

## **Carbon dioxide**

oxygen induced retinopathy, retinopathy of prematurity, rat 779

## **Carboxyfluorescein**

carrier-mediated transport, iris-ciliary body, Lineweaver-Burke plots, Ussing chamber 251

## **Carrier-mediated transport**

carboxyfluorescein, iris-ciliary body, Lineweaver-Burke plots, Ussing chamber 251

## **Cataract**

$\alpha$ -crystallin, binding, MP26, ageing, human 225  
transforming growth factor- $\beta$  (TGF $\beta$ ),  $\alpha$ -smooth muscle actin, lens, myofibroblasts, rat 885  
ultraviolet radiation, rainbow trout, chronic exposure 731

## **cDNA cloning**

heat shock factor 1, human retina, Northern blot analysis, reverse transcriptase-polymerase chain reaction (RT-PCR) 739

## **Cell culture**

retinal pigment epithelium (RPE), fibronectin, protein kinase C, transforming growth factor  $\beta$ , interferon  $\gamma$ , cytokines, human 569

## **Chaperones**

lens proteins, high molecular weight aggregate, lens, crystallins 35

## **Chicken embryo**

retina, glycosaminoglycans, chondroitin sulfate proteoglycans, dermatan sulfate proteoglycans, heparan sulfate proteoglycans 669

## **Chorioretinal anastomosis**

Bruch's membrane, retinal vein occlusion, argon green laser, rat 29

## **Choroidal angiogenesis**

basic fibroblast growth factor, immunohistochemistry, experimental model, minipig 183

## **Choroidal circulation**

phototherapy, porphyrins, retina, vessel occlusion, lasers, rabbit 513

## **Ciliary body**

synaptophysin, HNK-1 epitope, retina, Leu-7, immunocytochemistry, birds, mammals, fishes, humans 697

## **Ciliary process**

adenylyl cyclase, intraocular pressure, G-proteins, cholera toxin, pertussis toxin 243

## **Collagen network**

pial septa, cell maceration, scanning electron microscopy, human 819

## **Collagen shield**

cyclosporine, liposomes, immunomodulation, pharmacokinetics 177  
drug delivery, fluorescein, *in vivo* release, fluorometer, human 281  
tobramycin, keratitis, *Staphylococcus aureus*, rabbits 875

## **Cone photoreceptor cells**

protein kinase C, retina, immunohistochemistry, peanut agglutinin, rat 547

## **Conjunctiva**

development, cornea, epithelium, keratin, mouse 805  
lacrimal gland, membrane attack complex inhibitor, cornea, decay accelerating factor, human 851

## **Conjunctiva-associated lymphoid tissue**

mucosa-associated lymphoid tissue, human mucosal lymphocyte antigen, homing, tolerance, human 87

**Conjunctival epithelium**

transdifferentiation, corneal epithelium, K12 keratin, anti-K12 keratin antibodies, organotypic culture, corneal epithelial cell differentiation, rabbit 765

**Controlled clinical trial**

allergic conjunctivitis, Naphcon-A, naphazoline, pheniramine, conjunctival allergen challenge (CAC) 319

**Cornea**

$\alpha_1$ -antichymotrypsin, synthesis, proteinase inhibitor, corneal epithelium, corneal stroma, corneal endothelium, human 433  
development, conjunctiva, epithelium, keratin, mouse 805  
epithelium, free radicals, antioxidants, transplantation 815  
fibronectin isoforms, wound healing, polymerase chain reaction (PCR), epithelial wounds, rat 325  
thermal injury, serine proteases, gelatinase, caseinase, corneal ulceration, polymorphonuclear leukocytes, rat 11

**Corneal allograft rejection**

platelet activating factor, platelet activating factor antagonist, corneal neovascularization, corneal allografts, inflammation, rabbits 139

**Corneal endothelial cells**

local immunoregulation, immune privilege, experimental autoimmune uveoretinitis, cell culture, rat 575

**Corneal endothelium**

calcium channel antagonists, corneal endothelial permeability, corneal swelling, rabbit 401

**Corneal epithelial cells**

phospholipase D, GTP-binding protein, phosphatidic acid, phosphatidylethanol, cattle (bovine) 231

**Corneal epithelial wound healing**

endothelin-1, *in vivo* study, rabbit 625

**Corneal epithelium**

denervation, trigeminal nerve, wound healing, mitosis, rabbit 203  
hypoxia, apoptosis, contact lenses, rabbit 409  
transdifferentiation, conjunctival epithelium, K12 keratin, anti-K12 keratin antibodies, organotypic culture, corneal epithelial cell differentiation, rabbit 765

**Corneal transplantation**

cyclosporine, allograft rejection, drug delivery, rabbit 337  
xenotransplantation, graft rejection, immunohistology, guinea pigs, rats 725

**Corneal ulcers**

*Pseudomonas aeruginosa*, arbitrarily primed polymerase chain reaction (PCR), random amplified polymorphic DNA (RAPD) fingerprinting, keratitis, human 783

**Corneal wound healing**

hyaluronan (hyaluronic acid), fibronectin, epithelium, extracellular matrix, rabbit 385  
platelet-derived growth factor (PDGF), penetrating keratoplasty, wound strength, rabbit 857

**Crystallins**

bovine lens epithelial cell, oxidation, glycation, proteolysis, ubiquitin 423

 **$\beta$ -cyclodextrin derivatives**

ocular absorption, pilocarpine, SBE4- $\beta$ -CD, aqueous stability, rabbit 897

**Cyclosporine**

corneal transplantation, allograft rejection, drug delivery, rabbit 337  
cyclosporine, collagen shield, liposomes, immunomodulation, pharmacokinetics 177

**Cytokine**

retinal pigment epithelial cell, prostaglandin, growth factor, interleukin (IL), interferon (IFN), chicken 833

**Cytokines**

proliferative vitreoretinopathy, immunohistochemistry, epiretinal membranes, vitrectomy surgery, human 791  
retinal pigment epithelium (RPE), growth factor, interleukin (IL), interferon (IFN), transforming growth factor (TGF), chicken, embryo, human 661

**Cytomegalovirus retinitis**

murine AIDS (MAIDS), murine cytomegalovirus, AIDS, retrovirus 587

**Cytosine arabinoside**

2'-deoxycytidine, antimetabolite, cytarabine, glaucoma filtration surgery 839

**Cytoskeleton**

trabecular meshwork, adenyl cyclase, guanylyl cyclase, phospholipase C, tissue culture, human 51

**Cytotoxic T lymphocyte**

transgenic mouse, intraocular tumour, rejection, choroid 361

**Denervation**

corneal epithelium, trigeminal nerve, wound healing, mitosis, rabbit 203

**Densitometry**

nuclear cataracts, Scheimpflug images, linear densitometry, mask densitometry, multilinear densitometry 825

**Development**

cornea, conjunctiva, epithelium, keratin, mouse 805

**Dexamethasone**

retinal pigment epithelium (RPE), cell proliferation, cell culture, human 257

**Dextromethorphan**

retina, electroretinogram, ischemia, rabbit 97

**Diabetes mellitus**

galactosemia, glutathione,  $\gamma$ -glutamyl transpeptidase, antioxidants, retina, cerebral cortex, diabetic retinopathy 891  
retinal endothelial cells, protein synthesis, diabetic retinopathy, fibronectin, plasminogen activator inhibitor-1, epidermal growth factor, human 303  
retinopathy, galactosemia, microvascular disease, rats 863

**Diabetic retinopathy**

insulin-like growth factor binding proteins (IGFBPs), insulin-like growth factor (IGF), retina, vitreous humor, streptozotocin, galactosemia, dogs, humans, rats 539

**Diaminophenoxypentane**

retina, light damage, rat 655

**Dicarboxylic amino acid uptake**

retina, rat, aspartate, glutamate, postnatal development 297

**Docosahexaenoic acid**

inositol lipids, photoreceptors, phosphatidylinositol, frog 21

**Drug delivery**

collagen shields, fluorescein, *in vivo* release, fluorometer, human 281

**Drug targeting**

retinal pigment epithelial (RPE) cells, biodegradable microspheres, phagocytosis, gelatin 171

**EAU**

*see* Experimental autoimmune uveoretinitis

**Electroretinogram**

dextromethorphan, retina, ischemia, rabbit 97

**Endophthalmitis**

*Propionibacterium acnes*, growth curve, extracapsular cataract surgery, human 465

**Endothelin (ET)**

binding sites, Harder's (harderian) gland, accessory lacrimal gland, *in vitro* autoradiography 103  
trabecular meshwork cells, angiotensin II, intracellular free calcium, intracellular pH 197

**Endothelin-1**

corneal epithelial wound healing, *in vivo* study, rabbit 625  
intraocular pressure, aqueous humour production, outflow facility, uveoscleral outflow, rabbit 461

**Endotoxin**

intraocular pressure, cholera toxin, pertussis toxin 311

**Enzyme inhibition**

$\alpha$ -crystallin, elastase, enzyme kinetics, lens 561

**Epithelium**

cornea, free radicals, antioxidants, transplantation 815  
development, cornea, conjunctiva, keratin, mouse 805

**Excitatory amino acid receptors**

- human retinal pigment epithelium, cell culture 553
- Experimental autoimmune uveoretinitis (EAU)**  
 immunocytochemistry, iris stromal blood vessels, basement membrane, rat 747  
 interphotoreceptor retinoid-binding protein (IRBP), genetic control, major histocompatibility complex (MHC), RT1, rat 845
- Fatty acid composition**  
 rod outer segments, PAF precursor, alkylacyl-glycero-phosphocholine, alkenylacyl-glycero-phosphocholine, rabbit 45
- Fibroblasts**  
 human cornea, interferon- $\gamma$ , transforming growth factor- $\beta$ , receptors, corneal immunoseclusion 213  
 retinal pigment epithelial (RPE) cells, collagen gel contraction, protein kinase C, proliferative vitreoretinopathy, cattle (bovine) 451
- Fibronectin**  
 hyaluronan (hyaluronic acid), corneal wound healing, epithelium, extracellular matrix, rabbit 385  
 isoforms, cornea, wound healing, polymerase chain reaction (PCR), epithelial wounds, rat 325
- Fluorescein**  
 collagen shields, drug delivery, *in vivo* release, fluorometer, human 281
- Free radicals**  
 vitreous liquefaction, collagen, cross-links, hyaluronic acid, cattle (bovine) 505
- Frog**  
 retinal pigment epithelium (RPE), myeloid bodies, outer segment shedding 611
- Galactosemia**  
 diabetes, glutathione,  $\gamma$ -glutamyl transpeptidase, antioxidants, retina, cerebral cortex, diabetic retinopathy 891  
 retinopathy, diabetes, microvascular disease, rats 863
- $\beta$ -Galactosidase**  
 rod outer segments, rhodopsin, glycoconjugates, cattle (bovine) 377
- Glaucoma**  
 ocular hypertension, perimetry 717
- $\gamma$ -Glutamyl transpeptidase**  
 diabetes, galactosemia, glutathione, antioxidants, retina, cerebral cortex, diabetic retinopathy 891
- Glutathione**  
 diabetes, galactosemia,  $\gamma$ -glutamyl transpeptidase, antioxidants, retina, cerebral cortex, diabetic retinopathy 891
- Glutathione peroxidase**  
 glutathione reductase, aging, lens, glutathione, primate, prosimian, simian 331
- Glutathione reductase**  
 glutathione peroxidase, aging, lens, glutathione, primate, prosimian, simian 331
- Glycosaminoglycans**  
 retina, chicken embryo, chondroitin sulfate proteoglycans, dermatan sulfate proteoglycans, heparan sulfate proteoglycans 669
- Graft rejection**  
 corneal transplantation, xenotransplantation, immunohistology, guinea pigs, rats 725
- Greene melanoma**  
 $^{31}\text{P}$  magnetic resonance spectroscopy, hyperthermia,  $^{125}\text{I}$  brachytherapy, rabbit 151
- GTP-binding protein**  
 phospholipase D, corneal epithelial cells, phosphatidic acid, phosphatidylethanol, cattle (bovine) 231
- Harder's (harderian) gland**  
 binding sites, endothelin (ET), accessory lacrimal gland, *in vitro* autoradiography 103
- Heat shock factor 1**  
 cDNA cloning, human retina, Northern blot analysis, reverse transcriptase-polymerase chain reaction (RT-PCR) 739
- Heat shock proteins**  
 uveitis, interphotoreceptor retinoid-binding protein (IRBP), Behçet's disease, peptides, chaperone, B cell, human 289
- Herpes simplex virus type 1**  
 T cell receptor, keratitis, mouse 711
- HNK-1 epitope**  
 synaptophysin, retina, ciliary body, Leu-7, immunocytochemistry, birds, mammals, fishes, humans 697
- Human cornea**  
 fibroblasts, interferon- $\gamma$ , transforming growth factor-beta, receptors, corneal immunoseclusion 213
- Human donor cornea**  
 keratocyte density, corneal fibroblast, organ culture, DNA content 163
- Human retina**  
 heat shock factor 1, cDNA cloning, Northern blot analysis, reverse transcriptase-polymerase chain reaction (RT-PCR) 739
- Human retinal cell line**  
 nucleoside transport, simian virus 40T antigen gene, neuronal markers, nitrobenzylthioinosine 109
- Human retinal pigment epithelium (RPE)**  
 excitatory amino acid receptors, cell culture 553
- Hyaluronan (hyaluronic acid)**  
 fibronectin, corneal wound healing, epithelium, extracellular matrix, rabbit 385
- Hyperthermia**  
 $^{31}\text{P}$  magnetic resonance spectroscopy, Greene melanoma,  $^{125}\text{I}$  brachytherapy, rabbit 151
- Hypoxia**  
 corneal epithelium, apoptosis, contact lenses, rabbit 409
- IGFBPs**  
*see* Insulin-like growth factor binding proteins
- Immunocytochemistry**  
 experimental autoimmune uveoretinitis (EAU), iris stromal blood vessels, basement membrane, rat 747
- Immunohistochemistry**  
 proliferative vitreoretinopathy, cytokines, epiretinal membranes, vitrectomy surgery, human 791  
 rosette, retinoblastoma, retinal dysplasia, histogenesis, human 799
- Immunomodulator**  
 AS101, ocular inflammation, interleukin-6, intravitreal injection, rat 603
- Immunosuppression**  
 melanin, uveitis, inflammation, delayed-type hypersensitivity, T lymphocytes, transforming growth factor  $\beta$ , rabbit 869
- Inositol lipids**  
 docosahexaenoic acid, photoreceptors, phosphatidylinositol, frog 21
- Insulin-like growth factor (IGF-1)**  
 lens, fibronectin, integrins, cattle (bovine) 531
- Insulin-like growth factor binding proteins (IGFBPs)**  
 diabetic retinopathy, insulin-like growth factor (IGF), retina, vitreous humor, streptozotocin, galactosemia, dogs, humans, rats 539
- Interferon- $\gamma$**   
 human cornea, fibroblasts, transforming growth factor- $\beta$ , receptors, corneal immunoseclusion 213
- Interphotoreceptor retinoid-binding protein (IRBP)**  
 experimental autoimmune uveoretinitis (EAU), genetic control, major histocompatibility complex (MHC), RT1, rat 845  
 ligand binding, retina, retinoids, vitamin A-binding proteins, visual cycle, *Xenopus* 391
- Intraocular pressure**  
 adenyllyl cyclase, ciliary process, G-proteins, cholera toxin, pertussis toxin 243  
 endothelin-1, aqueous humour production, outflow facility, uveoscleral outflow, rabbit 461  
 endotoxin, cholera toxin, pertussis toxin 311
- Intraocular tumour**  
 transgenic mouse, cytotoxic T lymphocyte, rejection, choroid 361
- IRBP**



- see **Interphotoreceptor retinoid-binding protein**
- Iris stromal blood vessels**  
immunocytochemistry, experimental autoimmune uveoretinitis (EAU), basement membrane, rat 747
- Iris-ciliary body**  
carboxyfluorescein, carrier-mediated transport, Lineweaver-Burke plots, Ussing chamber 251
- Ischemia/reperfusion**  
animal model, intraocular pressure, vascular ligation, electroretinogram, cat 597
- K<sup>+</sup> channels**  
lens, patch clamp, electrophysiology 679
- Keratitis**  
collagen shields, tobramycin, *Staphylococcus aureus*, rabbits 875
- Keratocyte density**  
human donor cornea, corneal fibroblast, organ culture, DNA content 163
- Lacrimal gland**  
conjunctiva, membrane attack complex inhibitor, cornea, decay accelerating factor, human 851  
retinoic acid, retinoids, vitamin A, bromodeoxyuridine 441
- Lens**  
alpha-A crystallin, aging, C-terminal modification, cattle (bovine) 879  
calmodulin, calcium permeability, membrane 219  
glutathione peroxidase, glutathione reductase, aging, glutathione, primate, prosimian, simian 331  
insulin-like growth factor (IGF-1), fibronectin, integrins, bovine 531  
K<sup>+</sup> channels, patch clamp, electrophysiology 679  
Na,K-ATPase, isozymes, catalytic subunit, rat, cattle (bovine), rabbit 65  
pH, <sup>31</sup>P nuclear magnetic resonance, bioenergetics, perfusion, pig 239  
ultraviolet radiation, organ culture, relative transmittance, focal properties, cattle (bovine) 371
- Lens crystallins**  
aging, cataract, protein aggregation, mass spectrometry, human 415
- Lens proteins**  
chaperones, high molecular weight aggregate, lens, crystallins 35
- Ligand binding**  
interphotoreceptor retinoid-binding protein, retina, retinoids, vitamin A-binding proteins, visual cycle, *Xenopus* 391
- Light damage**  
diaminophenoxypentane, retina, rat 655
- Limbal epithelium**  
pterygium, vimentin, stem cells, growth, intermediate filaments, conjunctiva, human 473
- Liposomes**  
collagen shield, cyclosporine, immunomodulation, pharmacokinetics 177
- Local immunoregulation**  
corneal endothelial cells, immune privilege, experimental autoimmune uveoretinitis (EAU), cell culture, rat 575
- Long posterior ciliary artery**  
autonomic nervous system, adrenergic neurotransmitter, muscarinic neurotransmitter, nitric oxide, pig 907
- Macrophages**  
traction retinal detachment, retinal detachment, leukopenia, retina, monocytes 1
- MAS proto-oncogene**  
retinal pigment epithelium (RPE), *in situ* hybridization, epi-polarization microscopy, rhesus monkey 345
- Matrix metalloproteinase**  
vitreous, diabetes mellitus, MMP-2, gelatinase, human 639
- Melanin**  
uveitis, immunosuppression, inflammation, delayed-type hypersensitivity, T lymphocytes, transforming growth factor  $\beta$ , rabbit 869
- Membrane attack complex inhibitor**  
conjunctiva, lacrimal gland, cornea, decay accelerating factor, human 851
- Morphometry**  
optic nerve, simian AIDS (SAIDS), AIDS, rhesus monkey 619
- Mouse**  
retinal photography, retinal fluorescein angiography, rat 157
- mRNA**  
ocular renin-angiotensin system, reverse transcriptase-polymerase chain reaction (RT-PCR), *in situ* hybridization, renin 755
- Mucosa-associated lymphoid tissue**  
conjunctiva-associated lymphoid tissue, human mucosal lymphocyte antigen, homing, tolerance, human 87
- Murine AIDS (MAIDS)**  
cytomegalovirus retinitis, murine cytomegalovirus, AIDS, retrovirus 587
- Myeloid bodies**  
retinal pigment epithelium (RPE), frog, outer segment shedding 611
- N-terminus**  
C-terminus, alpha crystallins, immunolocalization, lens, cattle (bovine) 497
- Na,K-ATPase**  
lens, isozymes, catalytic subunit, rat, cattle (bovine), rabbit 65
- Nuclear cataracts**  
densitometry, Scheimpflug images, linear densitometry, mask densitometry, multilinear densitometry 825
- Nucleoside transport**  
human retinal cell line, simian virus 40T antigen gene, neuronal markers, nitrobenzylthioinosine 109
- Ocular absorption**  
 $\beta$ -cyclodextrin derivatives, pilocarpine, SBE4- $\beta$ -CD, aqueous stability, rabbit 897
- Ocular ciliary epithelium**  
vasoactive intestinal polypeptide (VIP) receptors, vasoactive intestinal peptide (VIP), adenylyl cyclase, human 271
- Ocular hypertension**  
glaucoma, perimetry 717
- Ocular inflammation**  
immunomodulator, AS101, interleukin-6, intravitreal injection, rat 603
- Ocular neovascularization**  
sickle cell retinopathy, transforming growth factor- $\beta$  (TGF $\beta$ ), retinal pigment epithelial (RPE) cells, basic fibroblast growth factor (bFGF), fibrinolysis, human 125
- Ocular renin-angiotensin system**  
mRNA, reverse transcriptase-polymerase chain reaction (RT-PCR), *in situ* hybridization, renin 755
- Optic disc morphometry**  
sex, axial length, optic disc area, rim area, cup area, glaucoma, human 119
- Optic nerve**  
simian AIDS (SAIDS), morphometry, AIDS, rhesus monkey 619
- <sup>31</sup>P magnetic resonance spectroscopy**  
Greene melanoma, hyperthermia, <sup>125</sup>I brachytherapy, rabbit 151
- Panretinal photocoagulation**  
transforming growth factor- $\beta_2$ , aqueous humor, chorioretinal wound healing, vitreous humor, rabbit 743
- PDGF**  
see **Platelet-derived growth factor**
- Perimetry**  
glaucoma, ocular hypertension 717
- pH**  
lens, phosphorus nuclear magnetic resonance, bioenergetics, perfusion, pig 239
- Phaco-emulsification**  
tissue damage, cavitation, free radicals 649
- Phagocytosis**  
biodegradable microspheres, retinal pigment epithelium (RPE), sustained drug release, rhodamine 6GX, cattle (bovine) 353  
silicone oil, trabecular meshwork, emulsification, electron microscope, rabbit 489

- Phosphate-activated glutaminase**  
protein kinase C, retina, glutamatergic neuron, immunohistochemistry, electron microscopy, guinea pig, rat, mouse 629
- Phospholipase D**  
GTP-binding protein, corneal epithelial cells, phosphatidic acid, phosphatidylethanol, cattle (bovine) 231
- Phosphorus nuclear magnetic resonance**  
lens, pH, bioenergetics, perfusion, pig 239
- Photochemotherapy**  
choroidal circulation, porphyrins, retina, vessel occlusion, lasers, rabbit 513
- Photoreceptors**  
docosahexaenoic acid, inositol lipids, phosphatidylinositol, frog 21  
protein kinase C, retina, immunolocalization, rat 145
- Pial septa**  
collagen network, cell maceration, scanning electron microscopy, human 819
- Pilocarpine**  
 $\beta$ -cyclodextrin derivatives, ocular absorption, SBE4- $\beta$ -CD, aqueous stability, rabbit 897
- Platelet activating factor**  
corneal allograft rejection, platelet activating factor antagonist, corneal neovascularization, corneal allografts, inflammation, rabbits 139
- Platelet-derived growth factor (PDGF)**  
corneal wound healing, penetrating keratoplasty, wound strength, rabbit 857
- Proliferative vitreoretinopathy**  
cytokines, immunohistochemistry, epiretinal membranes, vitrectomy surgery, human 791
- Propionibacterium acnes**  
endophthalmitis, growth curve, extracapsular cataract surgery, human 465
- Prostaglandin**  
retinal pigment epithelial (RPE) cell, cytokine, growth factor, interleukin (IL), interferon (IFN), chicken 833
- Protein kinase C**  
cone photoreceptor cells, retina, immunohistochemistry, peanut agglutinin, rat 547  
phosphate-activated glutaminase, retina, glutamatergic neuron, immunohistochemistry, electron microscopy, guinea pig, rat, mouse 629  
photoreceptors, retina, immunolocalization, rat 145
- Protein synthesis**  
retinal vascular endothelial cells, diabetes mellitus, diabetic retinopathy, fibronectin, plasminogen activator inhibitor-1, epidermal growth factor, human 303
- Pseudomonas aeruginosa**  
corneal ulcers, arbitrarily primed polymerase chain reaction (PCR), random amplified polymorphic DNA (RAPD) fingerprinting, keratitis, human 783
- Pterygium**  
limbal epithelium, vimentin, stem cells, growth, intermediate filaments, conjunctiva, human 473
- Rabbit**  
<sup>31</sup>P magnetic resonance spectroscopy, Greene melanoma, hyperthermia, <sup>125</sup>I brachytherapy 151
- Rainbow trout**  
cataract, ultraviolet radiation, chronic exposure 731
- Random amplified polymorphic DNA (RAPD) fingerprinting**  
*Pseudomonas aeruginosa*, corneal ulcers, arbitrarily primed polymerase chain reaction (PCR), keratitis, human 783
- Rat**  
retina, dicarboxylic amino acid uptake, aspartate, glutamate, postnatal development 297  
retinal photography, retinal fluorescein angiography, mouse 157
- Retina**  
chicken embryo, glycosaminoglycans, chondroitin sulfate proteoglycans, dermatan sulfate proteoglycans, heparan sulfate proteoglycans 669  
dextromethorphan, electroretinogram, ischemia, rabbit 97  
diabetes mellitus, ionising radiation, neovascularisation, inner retinal ischemia, diabetic retinopathy, rat 79  
diaminophenoxypentane, light damage, rat 655  
protein kinase C, phosphate-activated glutaminase, glutamatergic neuron, immunohistochemistry, electron microscopy, guinea pig, rat, mouse 629  
protein kinase C, photoreceptors, immunolocalization, rat 145  
rat, dicarboxylic amino acid uptake, aspartate, glutamate, postnatal development 297  
synaptophysin, HNK-1 epitope, ciliary body, Leu-7, immunocytochemistry, birds, mammals, fishes, humans 697
- Retinal arteries**  
 $\beta$ -adrenergic blockers, retinal blood flow, glaucoma, calcium channel blockers, cattle (bovine) 483
- Retinal dysplasia**  
rosette, retinoblastoma, immunohistochemistry, histogenesis, human 799
- Retinal vascular endothelial cells**  
diabetes mellitus, protein synthesis, diabetic retinopathy, fibronectin, plasminogen activator inhibitor-1, epidermal growth factor, human 303
- Retinal fluorescein angiography**  
retinal photography, rat, mouse 157
- Retinal photography**  
retinal fluorescein angiography, rat, mouse 157
- Retinal pigment epithelium (RPE)**  
arachidonate, ethanol, calcium, retinoids, cattle (bovine) 687  
biodegradable microspheres, phagocytosis, sustained drug release, rhodamine 6GX, cattle (bovine) 353  
cell culture, fibronectin, protein kinase C, transforming growth factor  $\beta$ , interferon  $\gamma$ , cytokines, human 569  
cytokines, growth factor, interleukin (IL), interferon (IFN), transforming growth factor (TGF), chicken, embryo, human 661  
dexamethasone, cell proliferation, cell culture, human 257  
MAS proto-oncogene, *in situ* hybridization, epi-polarization microscopy, rhesus monkey 345  
myeloid bodies, frog, photoreceptor outer segment shedding 611  
retinal pigment epithelial (RPE) cell, cytokine, prostaglandin, growth factor, interleukin (IL), interferon (IFN), chicken 833  
retinal pigment epithelial (RPE) cell, drug targeting, biodegradable microspheres, phagocytosis, gelatin 171  
retinal pigment epithelial (RPE) cell, fibroblasts, collagen gel contraction, protein kinase C, proliferative vitreoretinopathy, cattle (bovine) 451  
taurine transporter, calmodulin, mRNA levels, nucleotide sequence, regulation, human 523
- Retinal vasculature**  
Weibel-Palade bodies, diabetes mellitus, dog 705
- Retinoblastoma**  
rosette, retinal dysplasia, immunohistochemistry, histogenesis, human 799
- Retinoic acid**  
lacrimal gland, retinoids, vitamin A, bromodeoxyuridine 441
- Retinopathy**  
diabetes mellitus, galactosemia, microvascular disease, rats 863
- Reverse transcriptase-polymerase chain reaction (RT-PCR)**  
ocular renin-angiotensin system, mRNA, *in situ* hybridization, renin 755
- Rod outer segments**  
fatty acid composition, platelet-activating factor (PAF) precursor, alkylacyl-glycero-phosphocholine, alkenylacyl-glycero-phosphocholine, rabbit 45  
 $\beta$ -galactosidase, rhodopsin, glycoconjugates, cattle (bovine) 377
- Rosette**  
retinoblastoma, retinal dysplasia, immunohistochemistry, histogenesis, human 799
- RPE**  
*see* Retinal pigment epithelium
- RT-PCR**  
*see* Reverse transcriptase-polymerase chain reaction
- Scheimpflug images**  
densitometry, nuclear cataracts, linear densitometry, mask densitometry,

- multilinear densitometry 825
- Serine proteases**
  - thermal injury, cornea, gelatinase, caseinase, corneal ulceration, polymorphonuclear leukocytes, rat 11
- Sex**
  - optic disc morphometry, axial length, optic disc area, rim area, cup area, glaucoma, human 119
- Sickle cell retinopathy**
  - ocular neovascularization, transforming growth factor- $\beta$  (TGF $\beta$ ), retinal pigment epithelial (RPE) cells, basic fibroblast growth factor (bFGF), fibrinolysis, human 125
- Silicone oil**
  - trabecular meshwork, phagocytosis, emulsification, electron microscope, rabbit 489
- Simian AIDS (SAIDS)**
  - optic nerve, morphometry, AIDS, rhesus monkey 619
- Synaptophysin**
  - HNK-1 epitope, retina, ciliary body, *Leu-7*, immunocytochemistry, birds, mammals, fishes, humans 697
- T cell receptor**
  - herpes simplex virus type I, keratitis, mouse 711
- Taurine transporter**
  - calmodulin, retinal pigment epithelium (RPE), mRNA levels, nucleotide sequence, regulation, human 523
- Tear film stability**
  - non-invasive, breakup time, xeroscope, repeatability, human 263
- TGF $\beta$** 
  - see Transforming growth factor- $\beta$
- TGF $\beta_2$** 
  - see Transforming growth factor- $\beta_2$
- Thermal injury**
  - cornea, serine proteases, gelatinase, caseinase, corneal ulceration, polymorphonuclear leukocytes, rat 11
- Tissue damage**
  - phaco-emulsification, cavitation, free radicals 649
- Tobramycin**
  - collagen shields, keratitis, *Staphylococcus aureus*, rabbits 875
- Trabecular meshwork**
  - cytoskeleton, adenylyl cyclase, guanylyl cyclase, phospholipase C, tissue culture, human 51
  - silicone oil, phagocytosis, emulsification, electron microscope, rabbit 489
- Trabecular meshwork cells**
  - endothelin, angiotensin II, intracellular free calcium, intracellular pH 197
- Traction retinal detachment**
  - macrophages, retinal detachment, leukopenia, retina, monocytes 1
- Transdifferentiation**
  - conjunctival epithelium, corneal epithelium, K12 keratin, anti-K12 keratin antibodies, organotypic culture, corneal epithelial cell differentiation, rabbit 765
- Transforming growth factor- $\beta$  (TGF $\beta$ )**
  - cataract,  $\alpha$ -smooth muscle actin, lens, myofibroblasts, rat 885
  - human cornea, fibroblasts, interferon-gamma, transforming growth factor  $\beta$  (TGF $\beta$ ) receptors, corneal immunoseclusion 213
  - sickle cell retinopathy, ocular neovascularization, retinal pigment epithelial (RPE) cells, basic fibroblast growth factor (bFGF), fibrinolysis, human 125
- Transforming growth factor- $\beta_2$  (TGF $\beta_2$ )**
  - panretinal photocoagulation, aqueous humor, chorioretinal wound healing, vitreous humor, rabbit 743
- Transgenic mouse**
  - intraocular tumour, cytotoxic T lymphocyte, rejection, choroid 361
- Ultraviolet radiation**
  - cataract, rainbow trout, chronic exposure 731
  - lens, organ culture, relative transmittance, focal properties, cattle (bovine) 371
- Uveitis**
  - heat shock proteins, interphotoreceptor retinoid-binding protein (IRBP), Behçet's disease, peptides, chaperone, B cell, human 289
  - melanin, immunosuppression, inflammation, delayed-type hypersensitivity, T lymphocytes, transforming growth factor  $\beta$  (TGF $\beta$ ), rabbit 869
- Vasoactive intestinal polypeptide (VIP) receptors**
  - ocular ciliary epithelium, vasoactive intestinal peptide (VIP), adenylyl cyclase, human 271
- Vimentin**
  - limbal epithelium, pterygium, stem cells, growth, intermediate filaments, conjunctiva, human 473
- Vitreous**
  - matrix metalloproteinase, diabetes mellitus, MMP-2, gelatinase, human 639
- Vitreous liquefaction**
  - free radicals, collagen, cross-links, hyaluronic acid, cattle (bovine) 505
- Weibel-Palade bodies**
  - retinal vasculature, diabetes mellitus, dog 705
- Wound healing**
  - fibronectin isoforms, cornea, polymerase chain reaction (PCR), epithelial wounds, rat 325
- Xenotransplantation**
  - corneal transplantation, graft rejection, immunohistology, guinea pigs, rats 725



